

INTERAS | 6540/MCH

MILITARY WIRED MODEM
MULTI-CHANNEL

#MilitaryCommunication



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Military G.SHDSL Routing and Switching Equipment is a military wired data communication technology that provides long-distance data transmission with Ethernet - DSL conversion in the tactical field. INTERAS 6540/MCH is a military L2/L3 switching and routing device designed to perform switching and routing functions in an IPv4-based networks.

There are two units in the INTERAS 6540 family as Multi-Channel central unit (INTERAS 6540/MCH) and Single Channel terminal unit (INTERAS 6540/SCH). INTERAS 6540/MCH has 16 Ethernet (10/ 100 Base Tx) ports and 16 ITU G.991.2 SHDSL ports.

IPv4 infrastructure support for different broadband applications (such as image transfer, voice or data communication) is provided symmetrically from the ITU G.991.2 SHDSL interface, over the WD-1-TT type cables.

INTERAS 6540/MCH is designed to be used in harsh environmental conditions in the tactical field, in accordance with MIL-STD-810G environmental conditions and MIL-STD-461 EMI/EMC military standards.

Basic Features

- Advanced Layer L2 and L3 routing features
- IPv4 communication infrastructure support
- Transferring Ethernet formatted information to other Ethernet ports and/or converting it to DSL format and transmitting it to DSL ports
- Transferring DSL formatted information to other DSL ports and/or converting it to Ethernet format and transmitting it to Ethernet ports
- FTP sharing
- Management and configuration with SNMP

General

- Ability to connect to INTERAS 6540/SCH devices via its 16 Port DSL and WD-1/TT cable
- It has both switching and routing capabilities via Ethernet ports
- Having DHCP server or client functionality
- 3.2 Gbps switching and routing capacity
- Port and IP based static routing capability
- Using OSPFv2 as dynamic routing protocol
- SNMP server and client functionality
- IGMP support
- CIDR and VLSM support on Ethernet ports
- With the port grouping feature, Ethernet and DSL ports can be grouped according to the user's wishes
- In addition to the ability to be monitored and managed via SNMP, it can be configured with SNMP v1/v2/v3
- TCP Based Connection Configuration and Control

Power

Source : AC and DC seamless automatic switching
Input : 200-240VAC 50Hz ± 5%, 19-32 VDC
Safety : Circuit Breakers Protection Circuits

Physical Specifications

Dimensions : 252 mm X 250 mm X 88 mm 2U
19" Rack Mountable
Weight : 4.3kg
Color : Green, black

Environmental Specifications

Standard : MIL-STD-810G
Operating Temperature : -20°C/+55°C
Storage Temperature : -40°C/+70°C
Humidity : 95%
Max. Altitude : 3000m
EMI/RFI : Compliant with MIL-STD-461F

Port Configuration and Protocols

Switching : Layer-2 Switching Function
DHCP Server : IP assignment function to devices on ports from the created DHCP pool
DHCP Client : Function to obtain IP from DHCP servers
NAT : (Native Address Translation) IP address conversion capability for devices connected to NAT Ethernet and DSL ports
Routing : Layer-3 Routing Function to other INTERAS 6540 family products or COTS products
DNS : Domain Name System Client/ Server (Optional)
IGMP : Internet Group Management Protocol (v3)
SNTP : Simple Network Time Protocol
FTP : File Transfer Protocol
OSPF : Routing capability with Standard OSPF protocol with other INTERAS 6540 family products or COTS products
Port Grouping : Function of grouping Ethernet and DSL ports according to user request
Telnet : Remote Console

Maintenance

On-Device & Loop Tests: Yes

Interfaces

IEEE 802.3 : 16 ports x 10/100 Base-T, Auto-Negotiation
USB : 1 x USB 2.0 x Dongle Connection
G.SHDSL : 16 ports x ITU G 991.2
Serial : RS232

Accessories and Tools

Network Planning Software

Specifications are subject to change without any notice. | All tolerances are within ±10%.

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